Dr. Keith E. Saxton

Agricultural Engineer (Retired)
USDA, Agricultural Research Service
Dept. of Biological Systems Engineering
Washington State University
1250 SW Campus View
Pullman, WA 99163
PH: 509-332-7277
FX: 509-332-7277

e-mail: ksaxton@wsu.edu

Education

Ph.D. Agricultural Engineering, Iowa State University, 1972
MS. Civil Engineering, Univ. of Wisconsin, 1965
BS. Agricultural Engineering, Univ. of Nebraska, 1961

Recent Wind Erosion/Air Quality Related Publications

Saxton, K E. and P.H. Willey. 2006. The SPAW Model for Agricultural Field and Pond Hydrologic Simulation. Chapter 17 in: Mathematical Modeling of Watershed Hydrology, V. P. Singh and D. Frevert, Editors; CRC Press, pp 401-435.

Kok, H., R.I. Papendick, and K.E. Saxton. (In Press). STEEP: Impact of long-term conservation farming research and education in Pacific Northwest wheat lands. (Accepted by Soil and Water Cons. Soc.-2008)

Kok, H., K. Saxton, and R. Papendick. 2006. Selecting planting dates for fall cover crops to control wind erosion on the irrigated Columbia Basin. Proceedings of the Soil and Water Conservation Society of America Congress, 23-27 July, Keystone, Co.

Schillinger, W.F., K.E. Saxton, and R.I. Papendick. 2006. Implications of the proposed particulate matter coarse standard for agriculture in the Pacific Northwest. *In* Proceedings of the Agricultural Air Quality Task Force meeting, 28 Feb – 2 March, Bethesda, MD.

Chandler, D.G., K.E. Saxton, and A.J. Busacca. 2005. Predicting wind erodibility of loessial soils in the Pacific Northwest by particle sizing. Arid Land Research and Management 19:13-27.

Sundram, I., C. Claiborn, T. Strand, B. Lamb, D. Chandler, and K. Saxton. 2004. Numerical modeling of regional windblown dust in the Pacific Northwest with improved meteorology and dust emission models. Journal of Geophysical Research 109, D24208.

Kjelgaard, J., D. Chandler, and K. Saxton. 2004. Evidence for direct suspension of loessial soils on the Columbia Plateau. Earth Surface Processes and Landforms 29:221-236.

Kjelgaard, J., B. Sharratt, I. Sundram, B. Lamb, C. Claiborn, K. Saxton, and D. Chandler. 2004. PM10 emission from agricultural soils on the Columbia Plateau: Comparison of dynamic and time integrated field scale measurements and entrainment mechanisms. Agricultural and Forest Meteorology 125:259-277.